

NEUSPEED®

FRONT LOWER SUB-FRAME TIE-BAR

FITS ALL VW BEETLE, GOLF IV, JETTA IV

PART #3-45.10.75 AND #3-45.10.75P

INSTALLATION INSTRUCTIONS

PARTS LIST: 1 - LOWER TIE-BAR

TOOLS REQ:	1 - 13mm SOCKET	1 - 21mm SOCKET
	1 - 16mm SOCKET	1 - T20 TORX
	1 - 18mm SOCKET	1 - TORQUE WRENCH

Raise front of vehicle and support with jack stands under lifting points, with suspension at full extension. **NEVER WORK UNDER A VEHICLE SUPPORTED ONLY WITH A JACK!**

ALL 4-CYL ENGINES WITH MANUAL TRANSMISSION

1. Remove front control arm bolts (18mm).
2. Install *NEUSPEED* Lower Tie-Bar using stock control arm bolts, and torque both front control arm bolts to 52ft. lbs. **PLUS 1/4-turn.**

ALL 6-CYL ENGINES AND ALL VEHICLES WITH AUTOMATIC TRANSMISSION

1. Remove lower front pan: (four T20 torx screws – Beetle only), and then unbolt side splash covers that attach to sub frame (two T20 torx screws).
2. Remove lower engine torque brace (two 13mm hex and two 16mm hex bolts).
3. Supporting sub-frame with a jack, remove (four 21mm hex) sub-frame to unibody bolts. Lower sub-frame down just enough so that control arm bolts will clear oil pan. Remove front control arm bolts (18mm).
4. Install *NEUSPEED* Lower Tie-Bar using stock control arm bolts, and torque both front control arm bolts to 52ft. lbs. **PLUS 1/4-turn.**
5. Install sub-frame in reverse of disassembly. Torque sub-frame bolts to 74ft. lbs. **PLUS 1/4-turn.**
6. Carefully double-check complete installation, and tightness of **ALL** bolts. **TEST DRIVE CAREFULLY!**

©Copyright 2000, *NEUSPEED*®. All rights reserved. Reproduction in whole or in part prohibited.
DOC.293.10/00